

# **TWINNING CONTRACT**

## **Support to the State and Entity Statistical Institutions, phase V**

### **Bosnia-Herzegovina**



## **STUDY VISIT REPORT**

**on**

### **Structural Business Statistics**

**Activity no 1.2.6**

Study visit participants:

BHAS: Tima Karačić, Jasna Hadžić, Mia Šimović, Bojana Cicović, Alen Mrgud

FIS: Arijana Muhić, Aida Ljuca

16 – 18 October 2012

Version: **Final**

*IPA 2008*

## Table of contents

Brief Summary .....	3
1. General comments .....	3
2. Lessons learned .....	3
3. Conclusions and recommendations .....	4
Annex 1. Programme.....	5

## List of Abbreviations

BHAS	Agency for Statistics of Bosnia and Herzegovina
BR	Business Register
FIS	Institute for Statistics of Federation of Bosnia and Herzegovina
RSIS	Institute for Statistics of Republika Srpska
SBS	Structural Business Statistics
SV	Study Visit
ToR	Terms of Reference

## Brief Summary

The main purpose of the Structural Business Statistics (SBS) study visit (SV) to Statistics Finland was to get introduced with the experience in the field of the Structural Business Statistics, especially of the production SBS based on survey and administrative data, preparation of the quality report for SBS and presentation of all software solution that are used for production of SBS statistics (collecting, data entry, checking, editing, processing, dissemination, transmission to Eurostat and data warehousing). The study visit program included presentations, discussions based on practical issues and examples that have insured better understanding of the following topics:

1. Organization in Statistical Office of Finland
2. Use of admin data in Business Register (BR) and in production of SBS
3. SBS Quality Reporting - regulatory framework
4. Data transmission to Eurostat and data dissemination with technical solutions and demonstrations of applications
5. Revision project of the business register and business statistics, with revision data collection tools and data treatment

## 1. General comments

This study visit report was prepared within the IPA 2008 Twinning Project „Support to the State and Entity Statistical Institutions, phase V”. Representatives of RSIS did not take part in the SV for objective reasons.

Main objectives of the study visit were:

- Share of experience with experts on SBS production,
- Getting of new knowledge, learning something new which will progressively improve work in statistical institutions
- Applying Finland practices in statistical institutions in BiH.

Participants of the study visit would like to express big gratitude to all officials and individuals met, for good organisation, kind support and valuable information received during the study visit.

## 2. Lessons learned

During the SV the participants were introduced with Statistics Finland and system of Finnish statistics, organisational structure (mainly focusing on Structural Business Statistics and Statistical Business Register). The most important gained knowledge refers to data sources available for production of SBS statistics which are based on comprehensive use of data from administrative registers (using income tax data in SBS, process, methods and quality issues).

Sharing information from these administrative registers is based on updating and maintaining business register from external sources (i.e. different agencies, public authorities). Statistics Finland regularly

(annually, monthly and continuously) receives data from external sources and updates own statistical registers. Also, it was presented how the missing or incorrect data from the different sources are managed and corrected.

Main functions of BR are: to base register of business units (sample frame), to be source of information, classification and additional data for production of many statistics, to mobilise administrative data for business statistics.

SBS statistics in Finland is produced based on administrative data (most of variables) and web questionnaires.

Experts introduced participants with regulatory framework of SBS Quality Report and presented SBS Quality Report of Finnish SBS.

Regarding data transmission to Eurostat, experts presented SBS data transfer of Finland to Eurostat with the explanation of the contents of the data files.

Regarding data dissemination, experts from Finland presented process of data dissemination in Statistics Finland. All statistics have their own sections at the home page and each statistics must generate information for its section at publishing time. The most of publications are presented at the website of Statistics Finland.

Experts presented Revision Project of the Business register and Business Statistics in 2009-2014 with clarification of the vision and technical solutions of the Project. The main purpose of this Project is to avoid overlapping work between different business statistical units and coherence of business statistics. These objectives will be achieved by creating a uniform location for data of enterprises using the same structure units and the same classification of variables as a precondition for the unification of the production process. All this will result in the change of the organizational structure of the statistics.

All covered topics and presentations were accompanied by discussion and questions from the participants.

All experts have shown a willingness to continue cooperation and further assistance and to respond to any questions sent by e-mail.

### **3. Conclusions and recommendations**

1. Experience gained from this SV will be used in further development of SBS in Bosnia and Herzegovina
2. Based on practical issues and examples provided by colleagues from Statistics Finland, participants will consider the possibility of introducing and using of administrative data in SBS production in BiH.
3. Experts from Statistics Finland expressed their experiences, difficulties and problems in production of SBS data, giving sufficient reasons and explanations for them
4. Based on information and presentation provided by colleagues from Statistics Finland, participants of the study visit will prepare web questionnaire for SBS and implement in BiH statistical system.

## Annex 1. Programme

### *Programme* *Study Visit to Statistics Finland*

Delegation of Agency for Statistics of Bosnia and Herzegovina (BHAS)

16-18 October 2012, Helsinki, Finland

#### *Details of the visit:*

- To study Finnish system of business statistics focusing in SBS, software solutions and EU quality reports in SBS.
- Project **Twinning in BiH / co-ordination Statistics Denmark**
- **Visiting address in Helsinki** : Statistics Finland, Työpajankatu 13, Helsinki (The subway station: Kalasatama)
- **Programme co-ordinator**: Mr. Ville Tolkki, phone: +358 9 1734 2925
- 

#### **FRIBS, Administrative data sources in SBS, business register and data consistency**

**16 October, Tue**

**Meeting room: Varianssi**

9.30 - 10.30

**Welcome to Statistics Finland - Mr. Ville Tolkki**

- Presentation of participants
- Review of the program
- Presentation of Statistics Finland and system of Finnish statistics

10.30 - 11.30

**Use of admin data in SBS - Mr. Pekka Tamminen**

- the scope of using income tax data in SBS, process, methods and quality issues
- Lunch

11.30 - 13.00

13.00 - 14.00

**Use of admin data in Business Register - Mr. Jukka Pakola/Ms. Kati Heikkinen**

- use of administrative and survey data, methods (editing, imputation, change estimation, mergers, split-offs, start-ups and closures), resources

14.00 - 15.00

**Consistency in business statistics - Mr. Jukka Pakola**

- the strategy for using the statistical business register in sampling and integration of various administrative and survey data sources

15.00

- Work on large enterprises
- Discussion

**Structural Business Statistics software solutions, databases and data warehousing****17 October, Wed****Meeting room: Varianssi**

9.30 - 10.00

**Revision project of the business register and business statistics****- Mr. Sami Saarikivi**

- General overview of the project

- Data linking and data warehousing

10.00 - 10.40

**Revised data collection tools in business statistics - Ms. Johanna Sisto**

- Technical Solutions and demonstration of applications

10.40 - 11.20

**Revised data treatment in business statistics - Mr. Juha Korpela**

- Technical Solutions and demonstration of applications

11.20 - 12.00

**Revised data exploration tools in business statistics - Mr. Mark Rantala**

- Technical Solutions and demonstration of applications

12.00 - 13.30

Lunch

13.30 - 14.00

**Data transmission to Eurostat - Mr. Sami Kanninen**

- sources, methods, outputs and production process

14.00 - 14.20

**Data dissemination - Mr. Ville Tolkki**

- Internet publications and data tables

14.20 - 15.00

**Data dissemination software - Mr. Markku Huttunen**

- Arbortext general presentation

- PX-web general presentation

15.00 -

Discussion

**Data quality****18 October, Thu****Meeting room: Varianssi**

09.30 - 10.15

**Survey laboratory - Mr. Petri Godenhjelm**

- Usability project for business statistics

10.15 - 11.00

**SBS Quality Reporting - Mr. Pekka Tamminen**

- regulatory framework, Finnish Case

11.00 - 12.00

**SBS management - Mr. Ville Tolkki**

- process management

- tools and measurement points

12.00 - 13.30

Lunch

13.30 -

**Miscellaneous topics - Mr. Pekka Tamminen and Mr. Ville Tolkki**

-Miscellaneous topics

-Discussion

